

Energy dispersive x-ray spectrometry
Excitation, 20keV
Sample, thin TiO_2 particle film on carbon tape

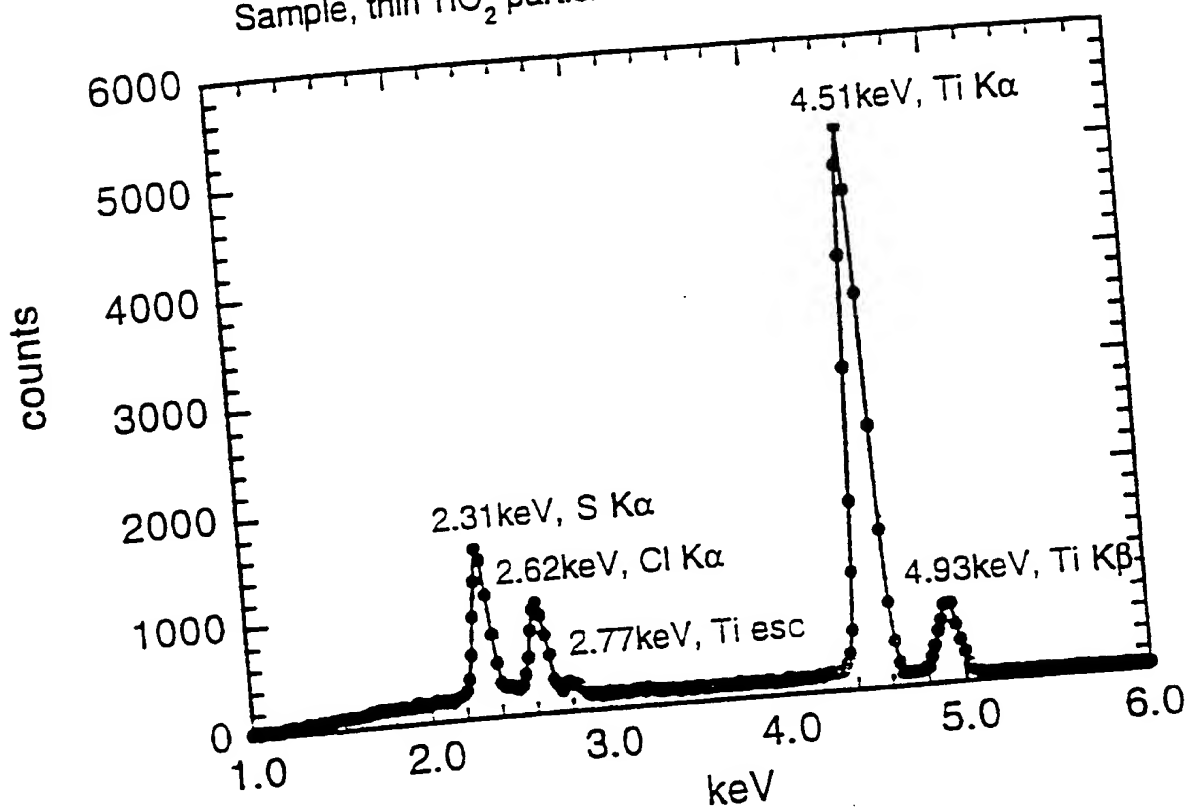


FIG.1

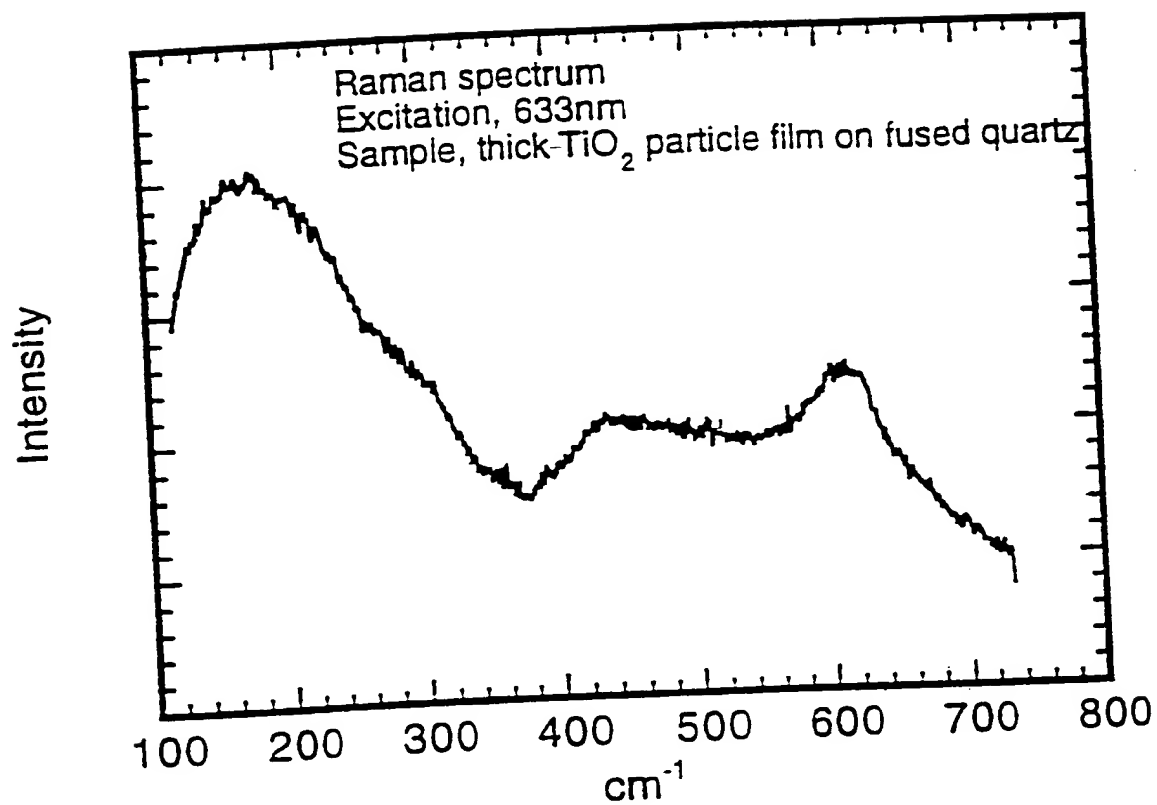


FIG.2

T06040-12344600

Absorbance

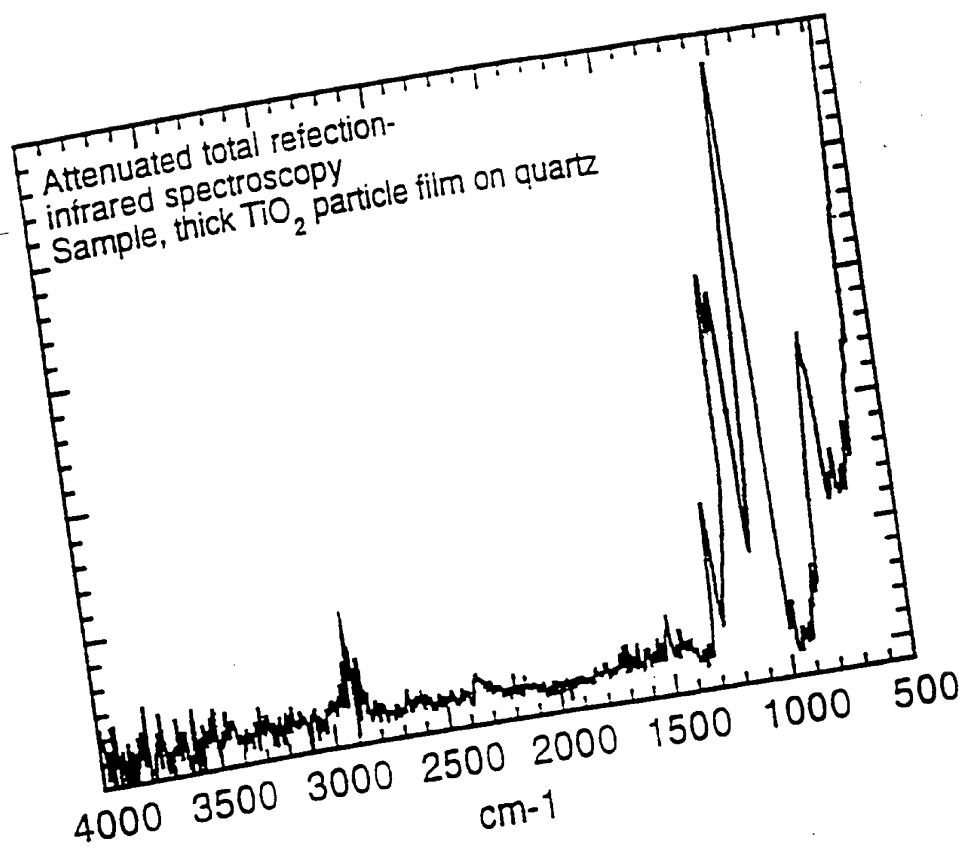


FIG.3

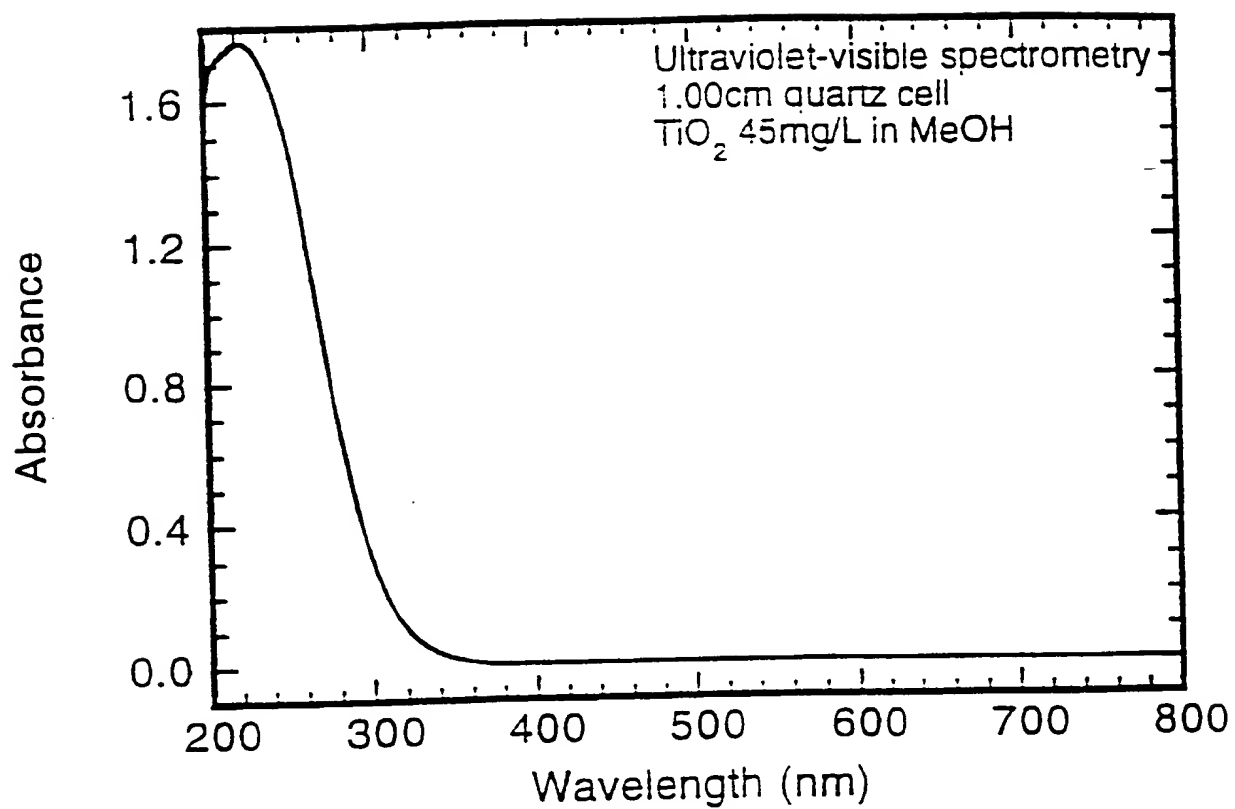


FIG.4

09743621.040601

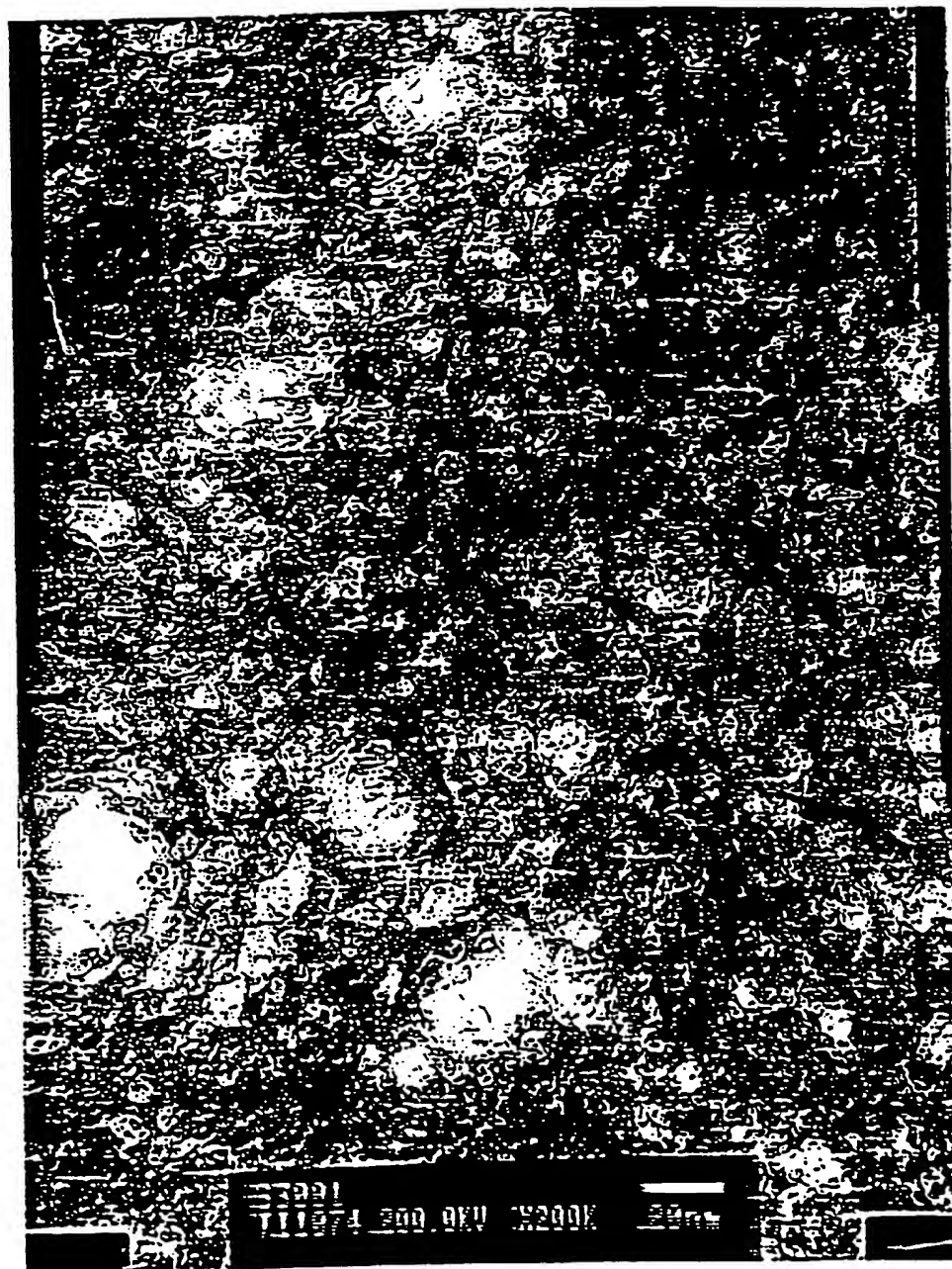


FIG.5

09743621 040901
T06040 T29E460

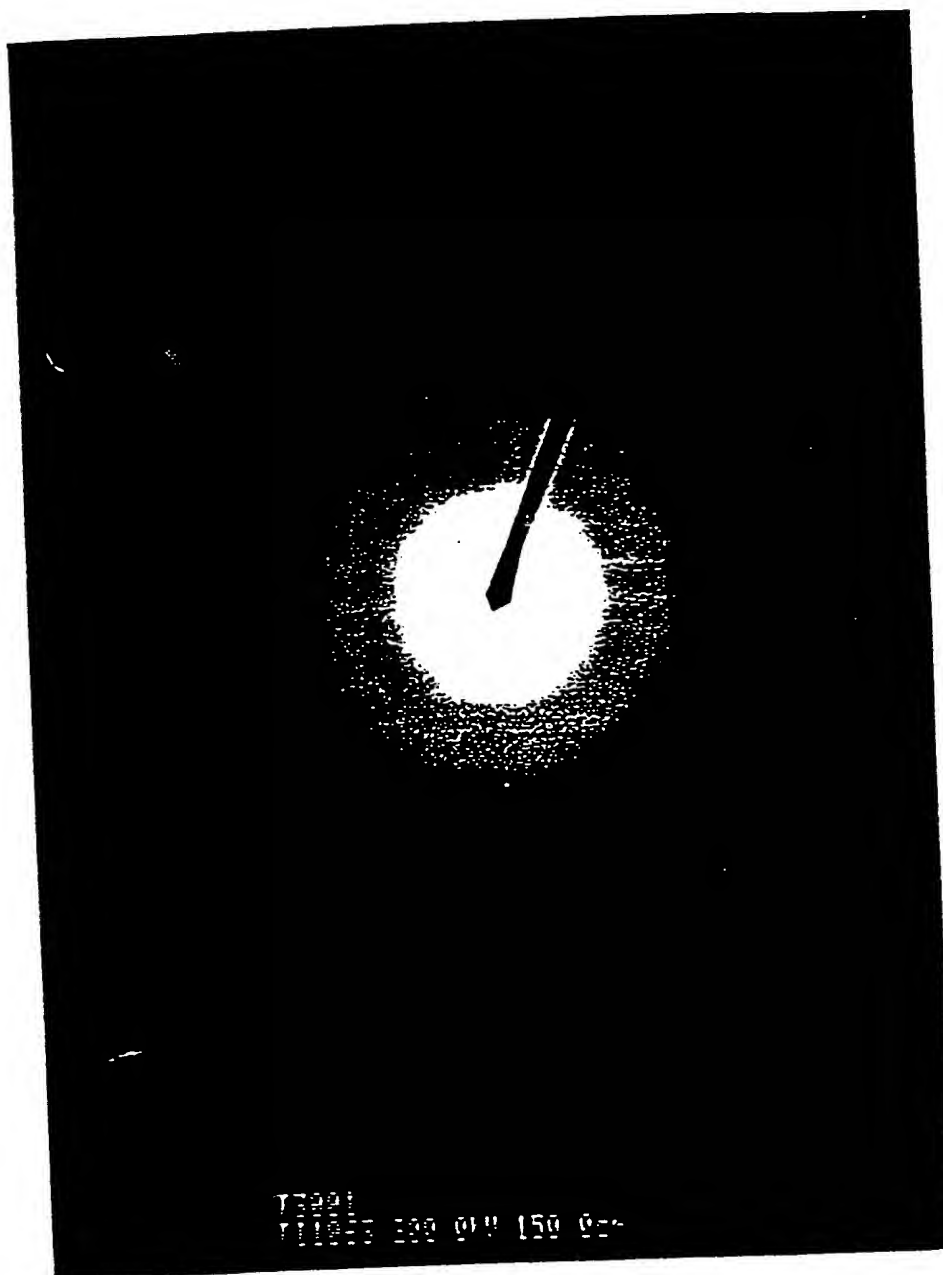


FIG.6

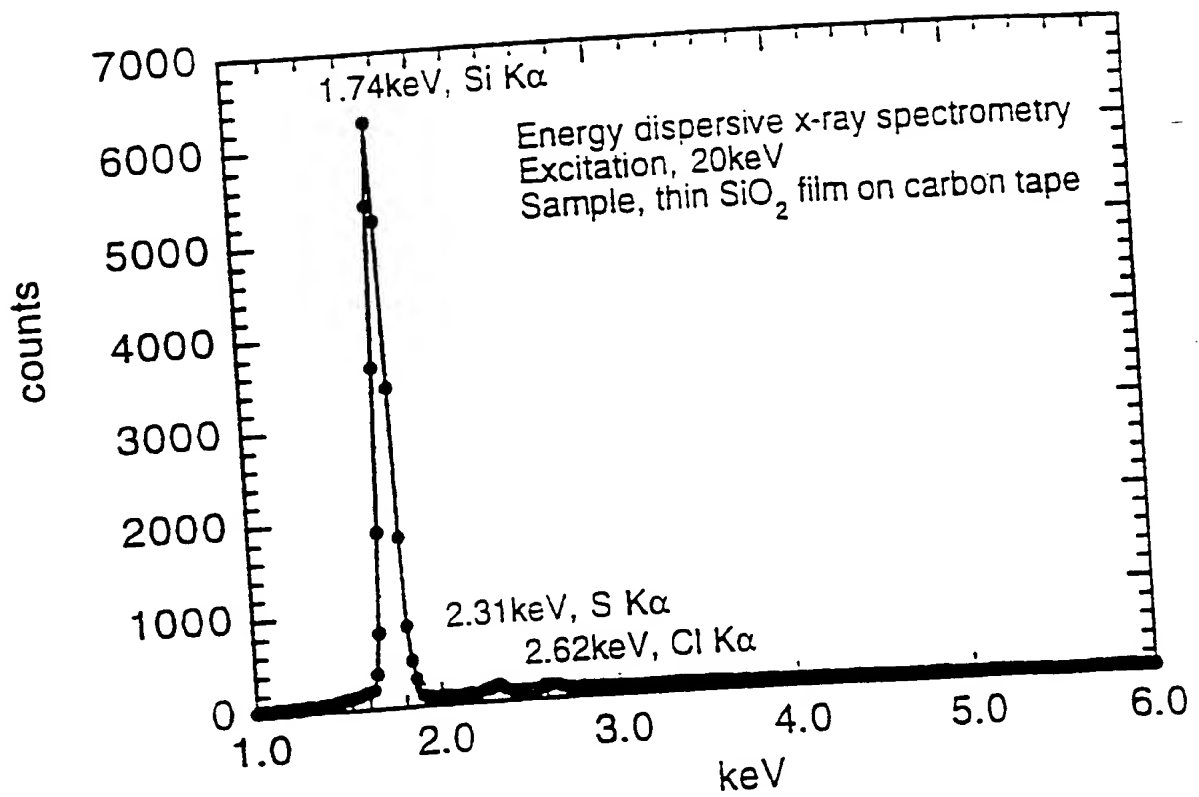


FIG.7

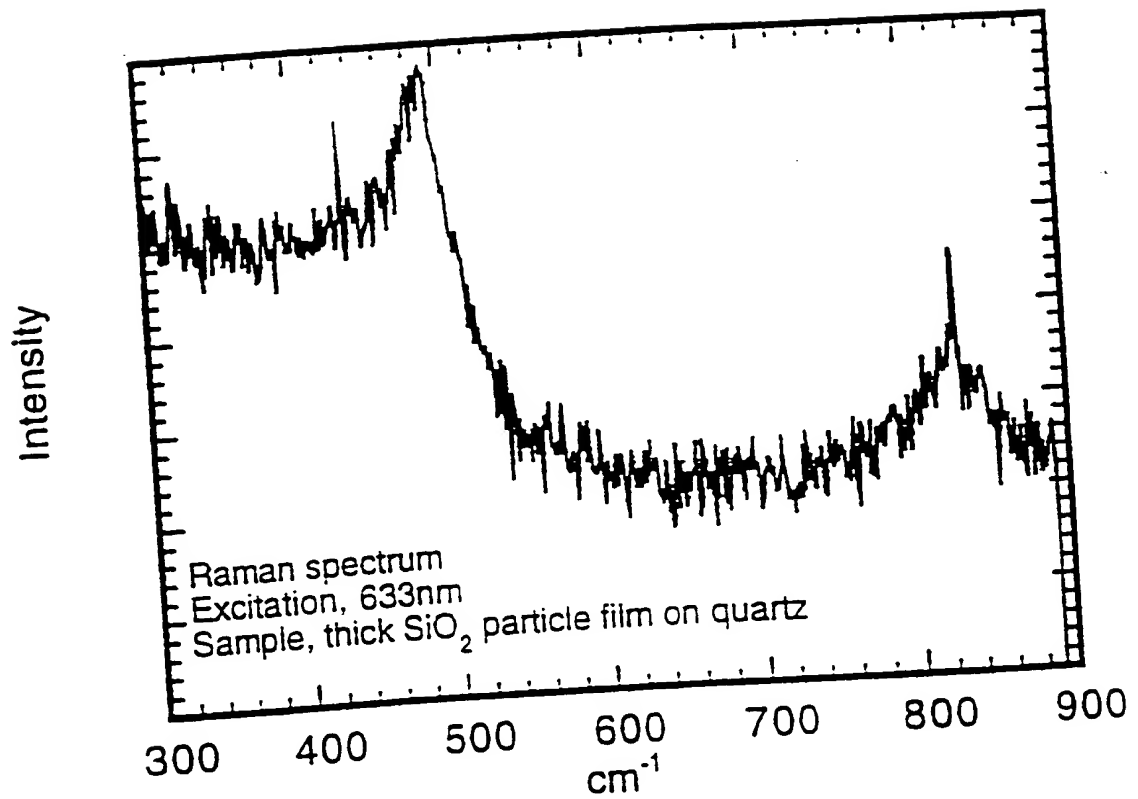


FIG.8

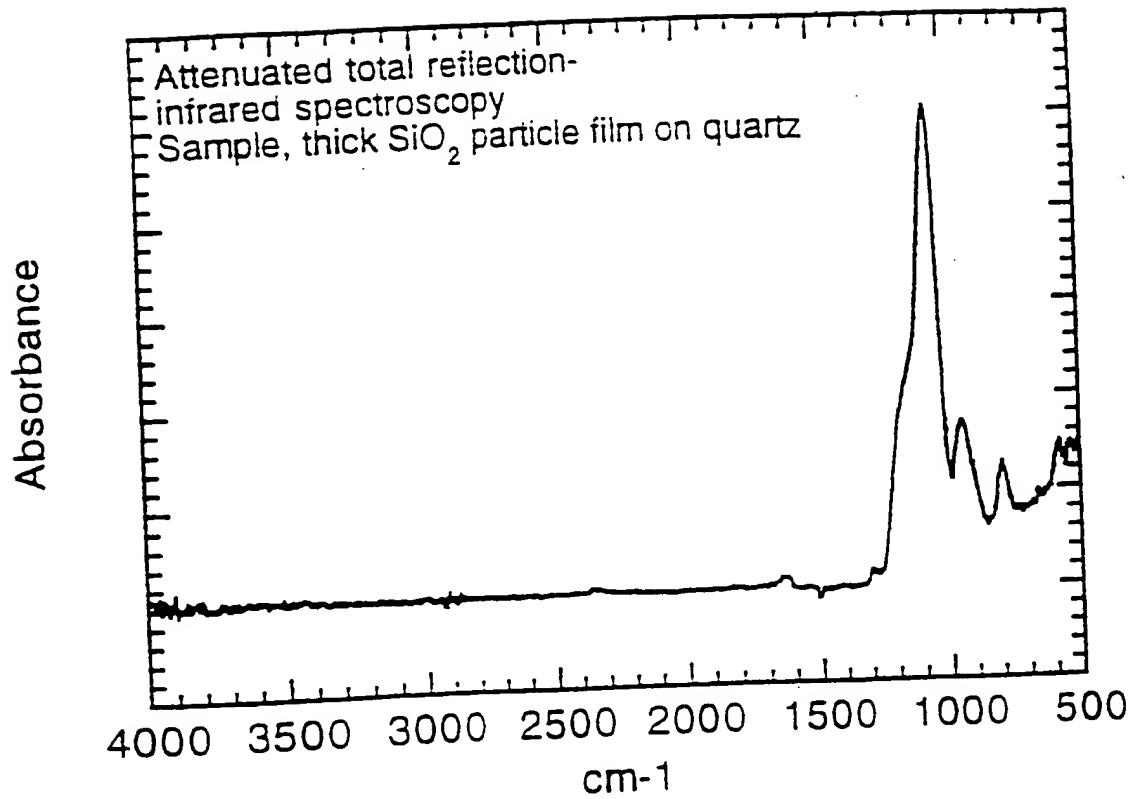


FIG.9

T06040" T2924/50

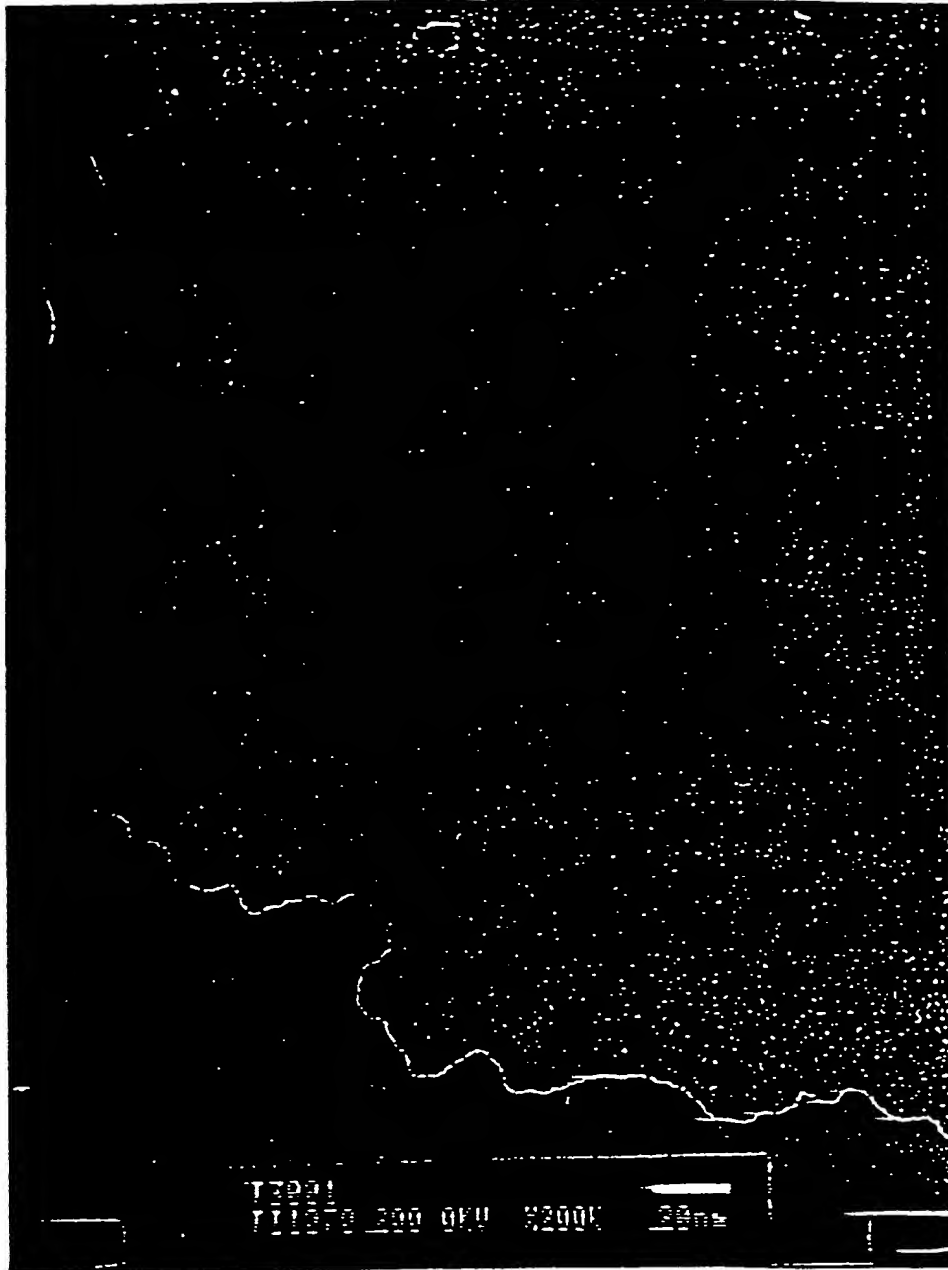
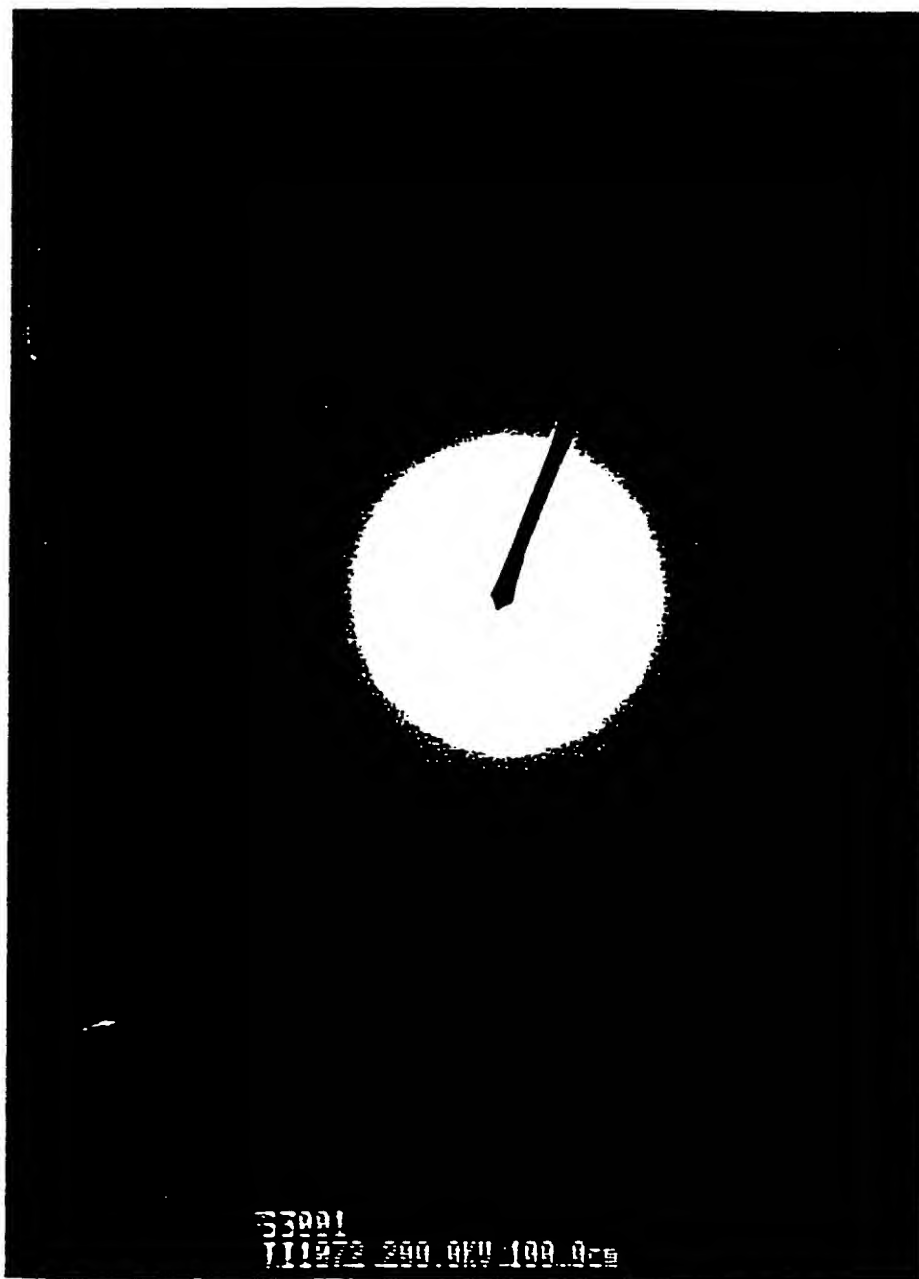


FIG.11

09743621 04001
T06040" T29EH260



53001
111972 200.0KV 100.0um

FIG.12

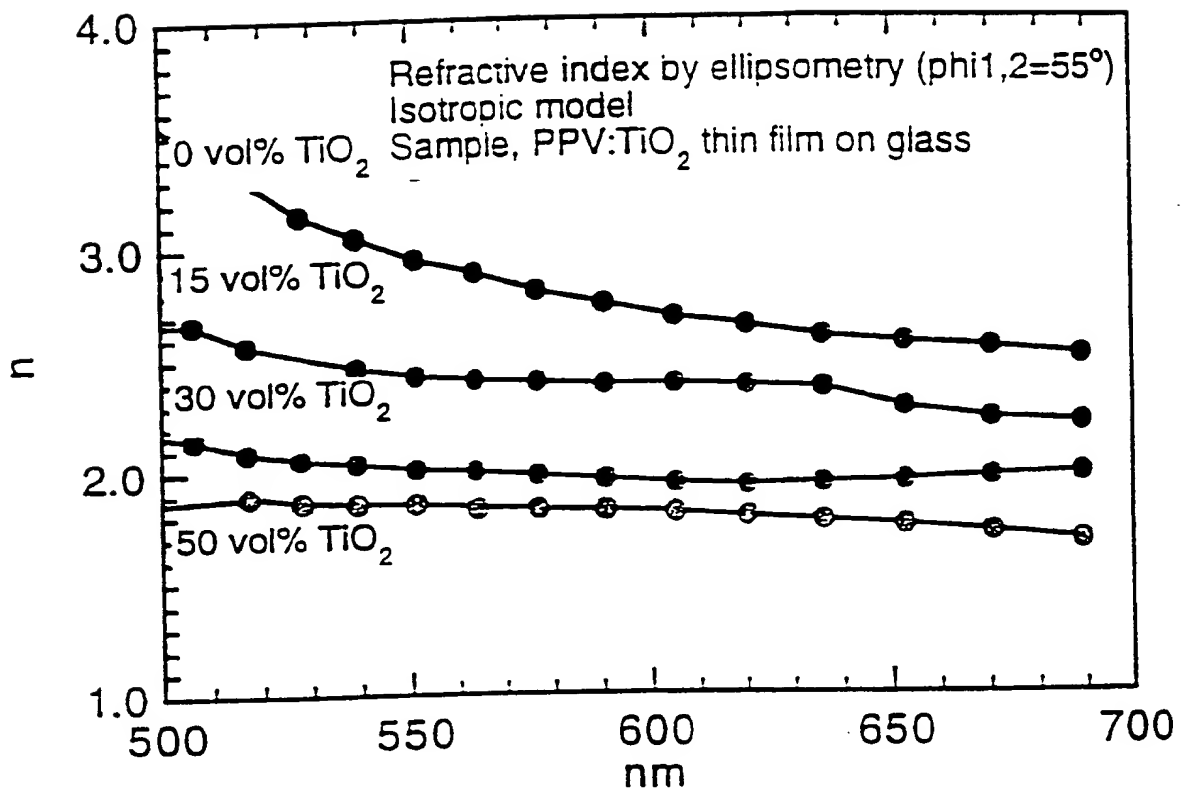
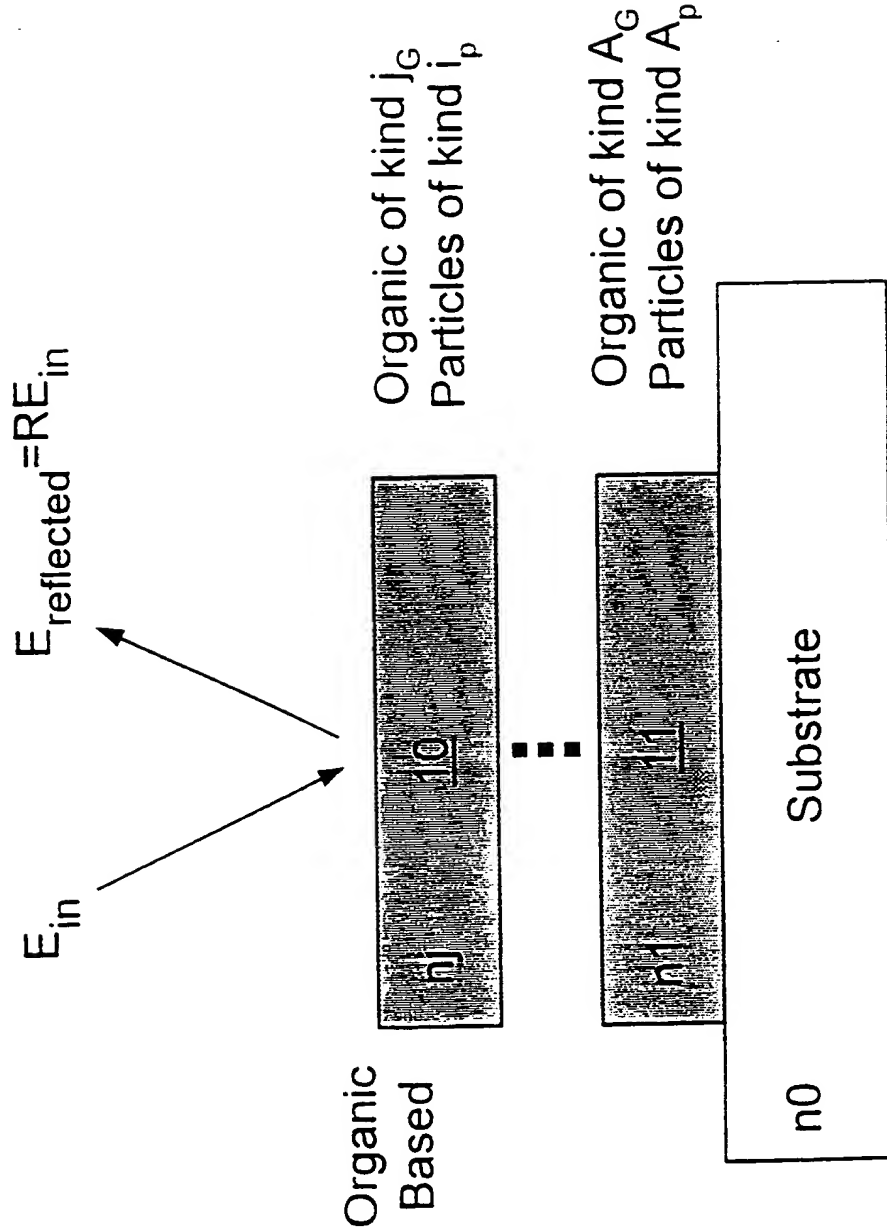


FIG.13

Distributed Brag Reflector



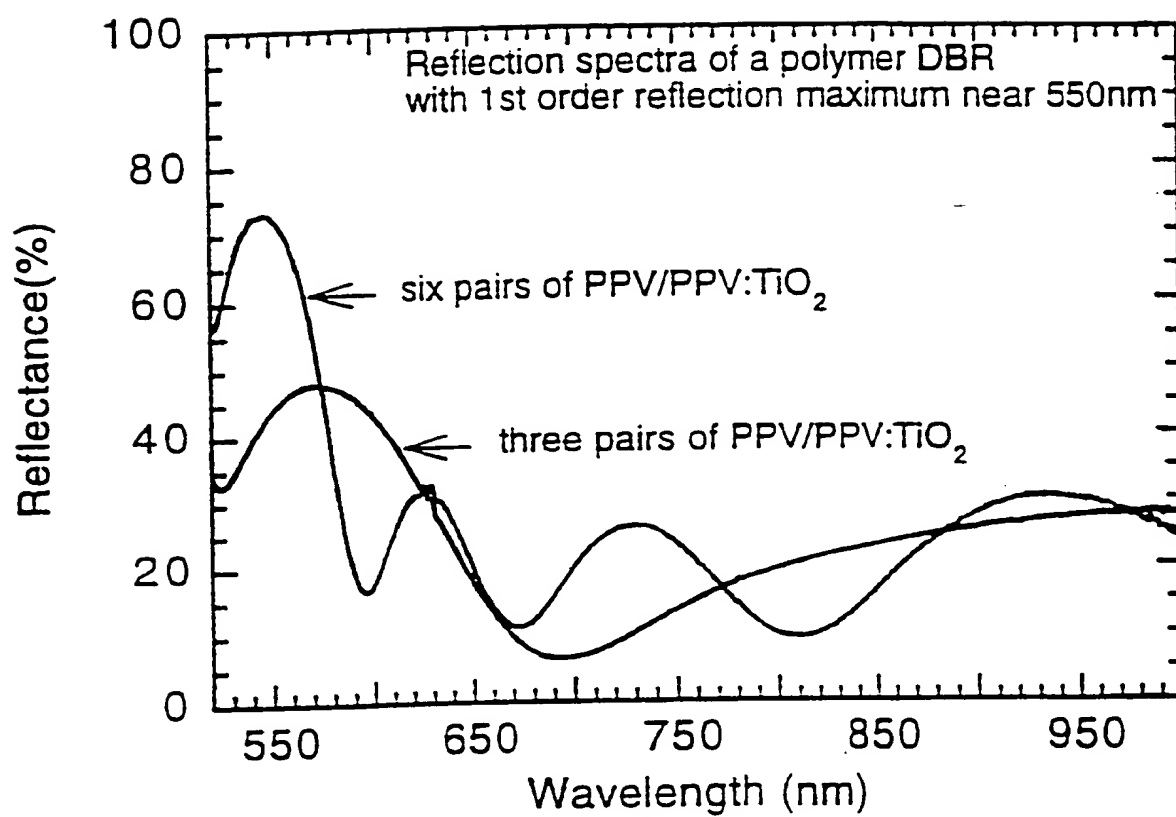


FIG.15

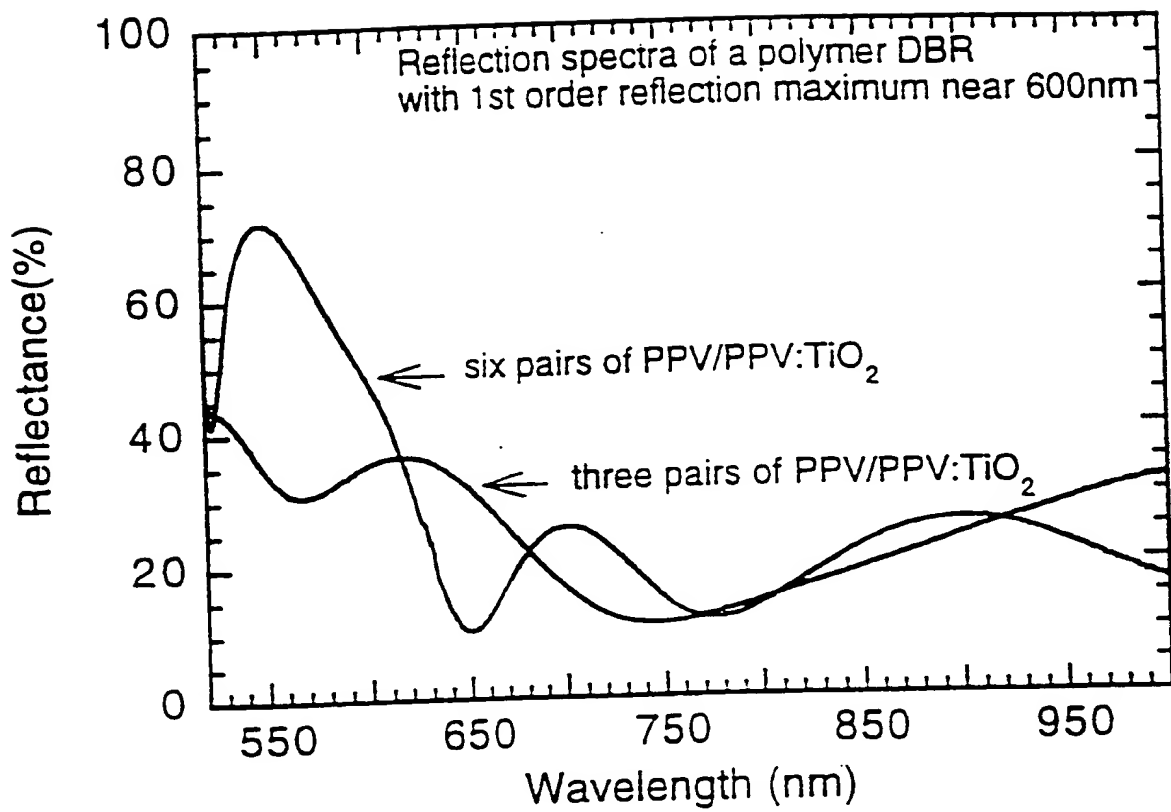


FIG.16

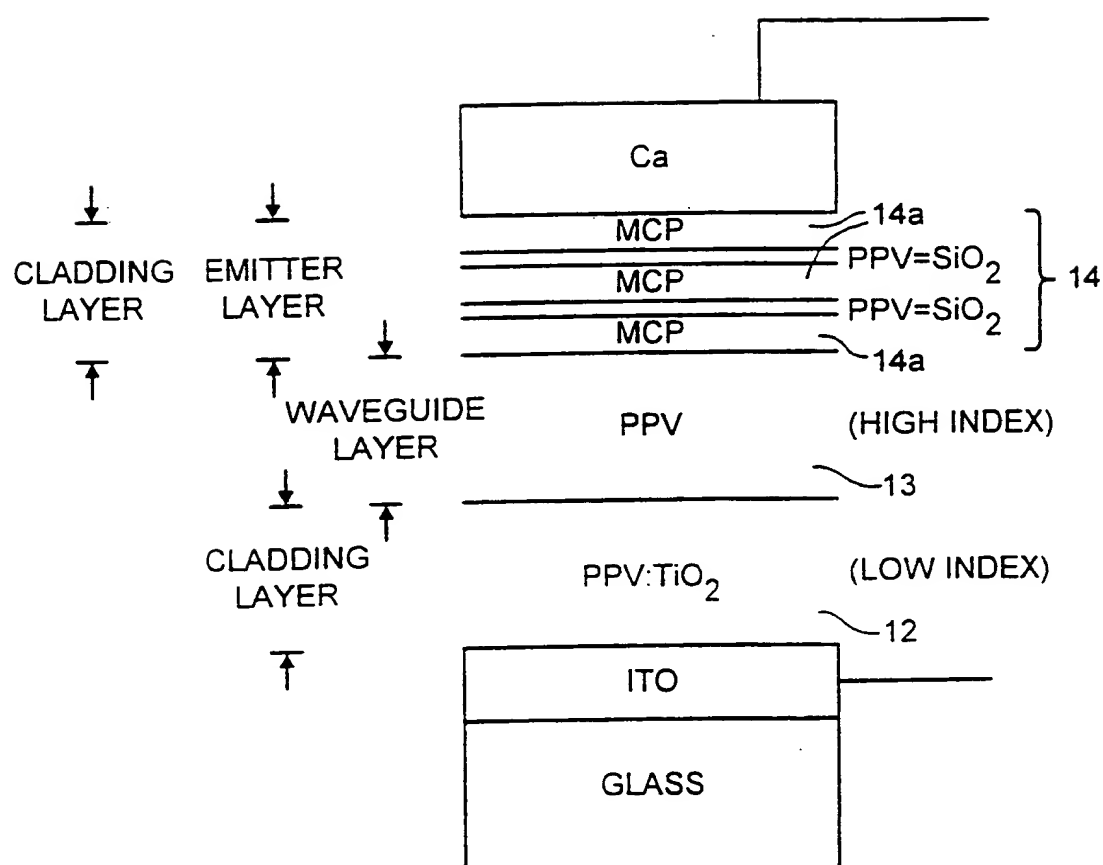


FIG. 17a

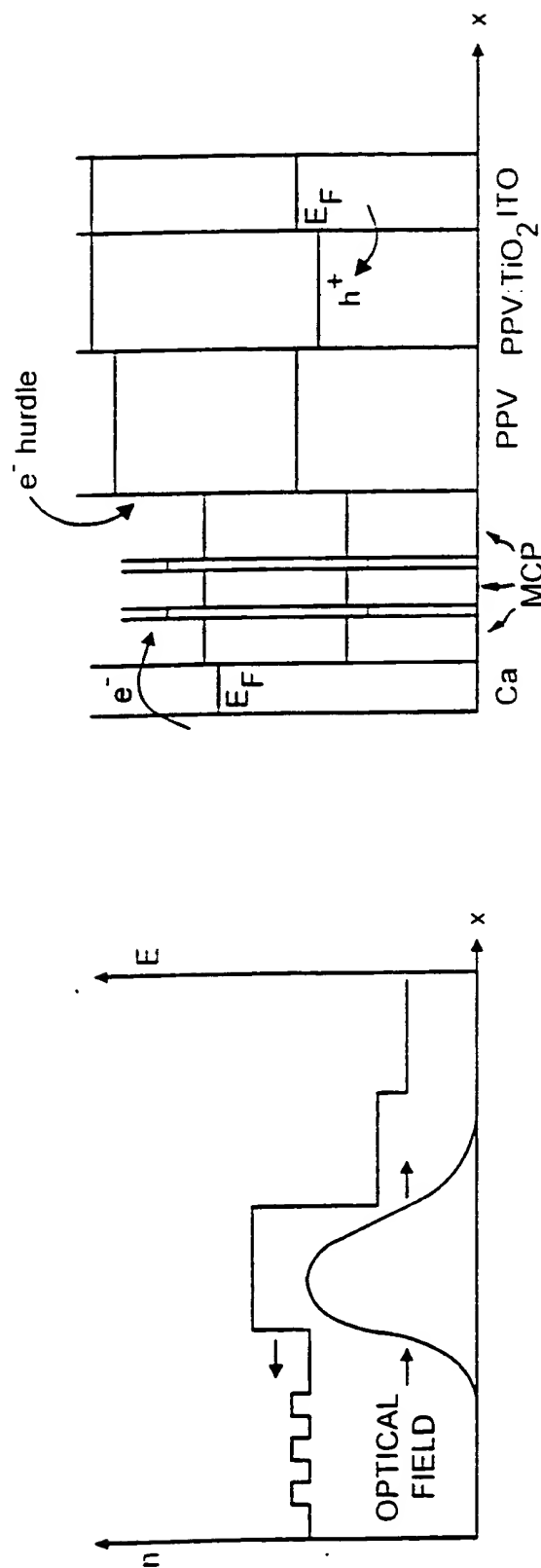


FIG. 17b

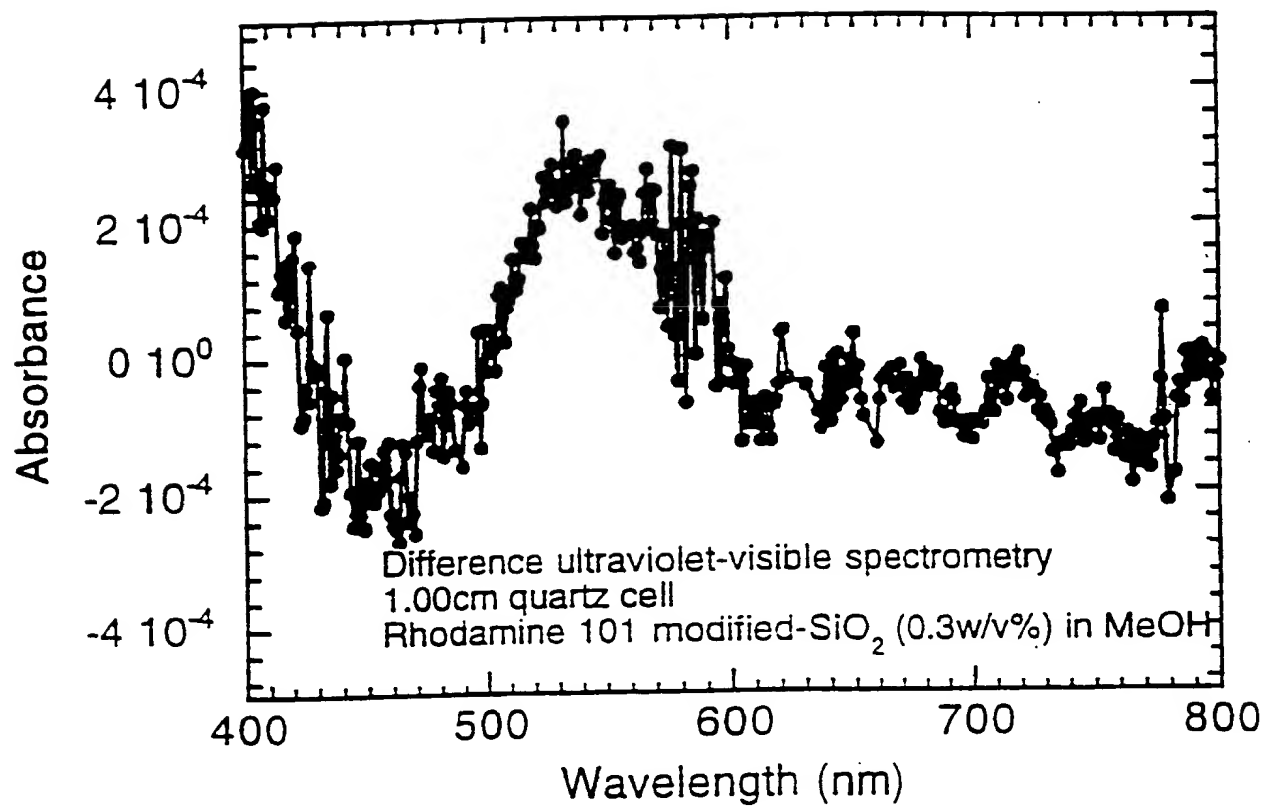
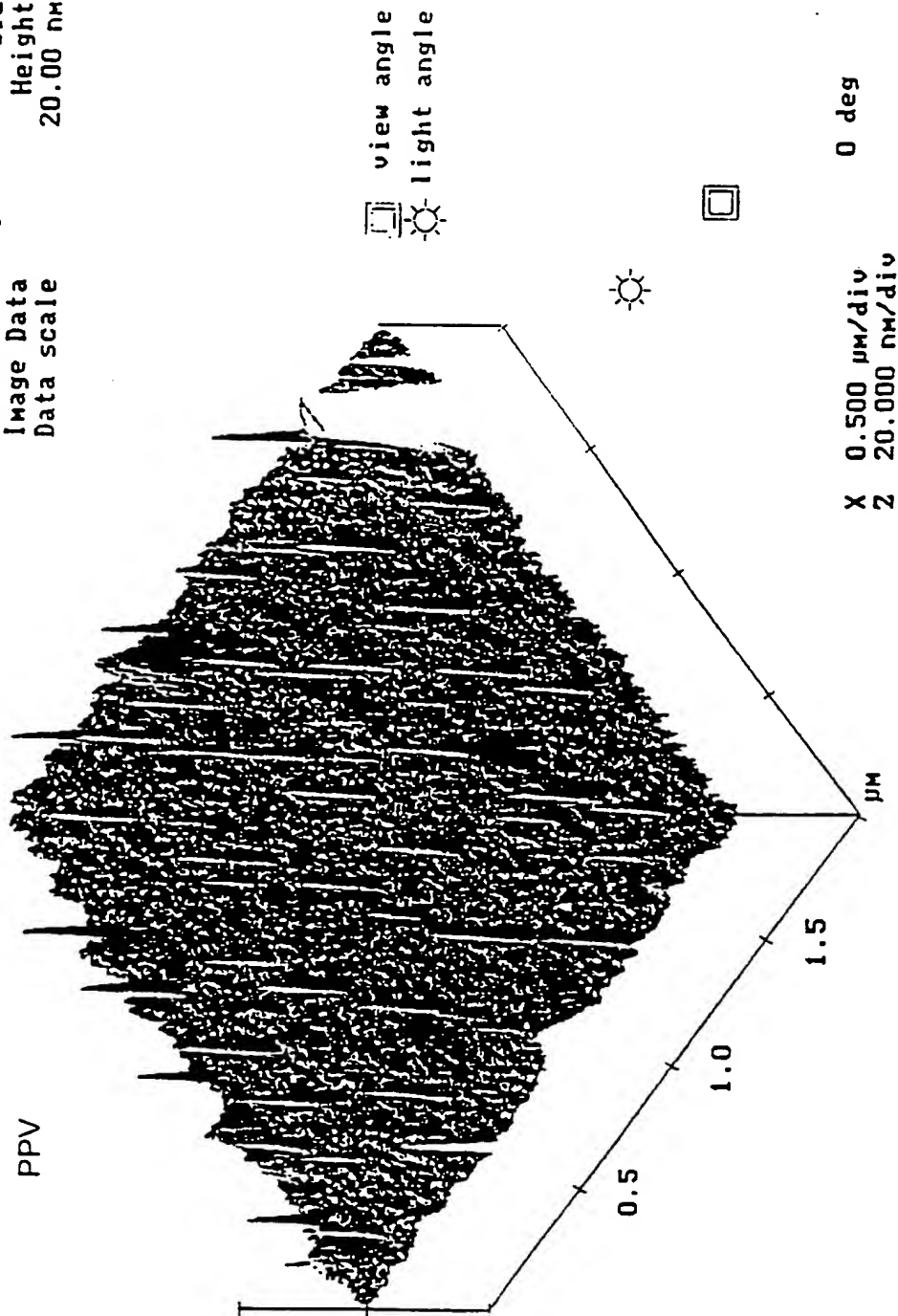


FIG.18

Digital Instruments Nanoscope
 Scan size 2.000 μm
 Scan rate 1.001 Hz
 Number of samples 512
 Image Data Height
 Data scale 20.00 nm

FIG. 19a

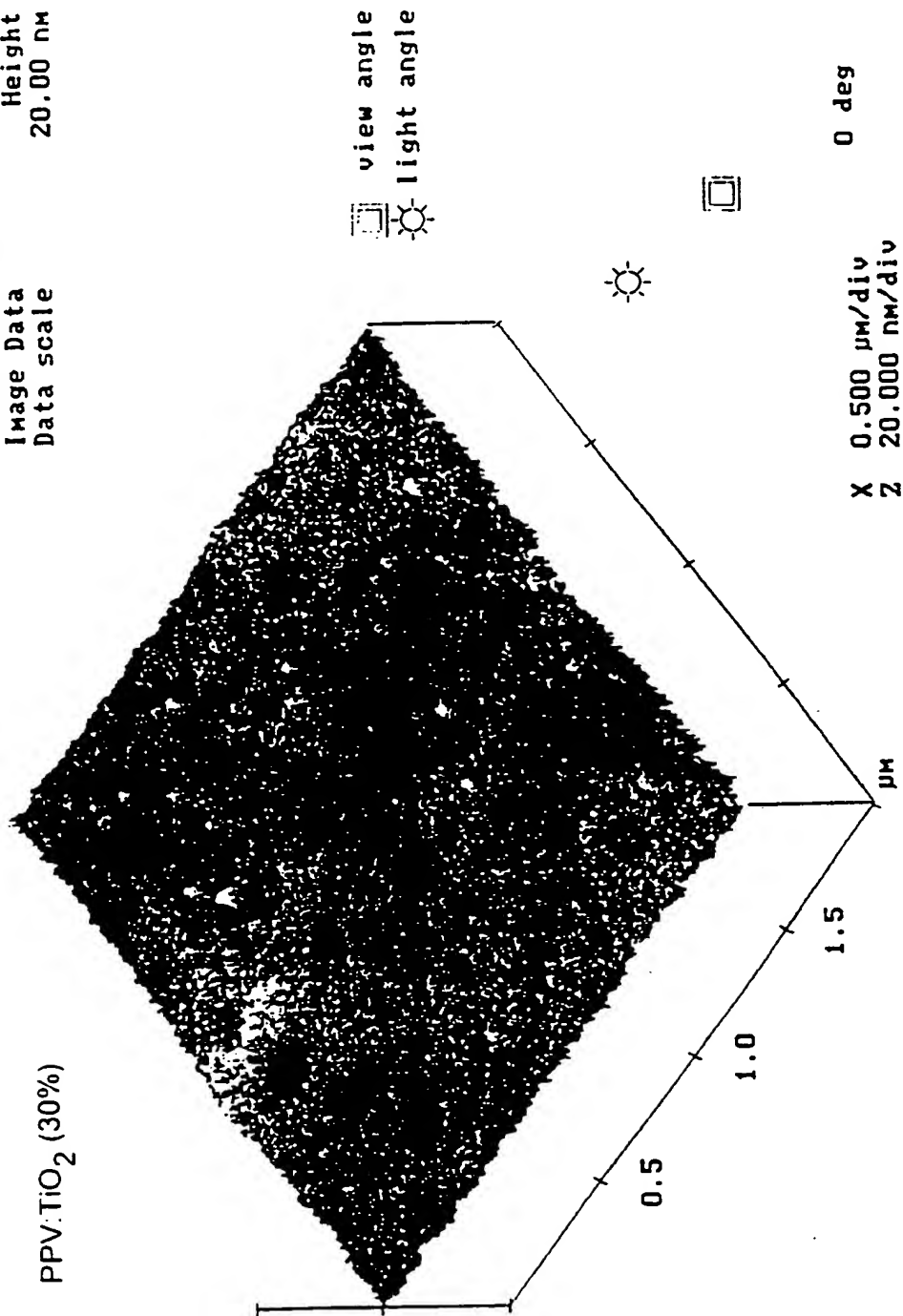
PPV



Digital Instruments Nanoscope
 Scan size 2.000 μm
 Scan rate 1.001 Hz
 Number of samples 512
 Image Data Height
 Data scale 20.00 nm

FIG. 19b

PPV:TiO₂ (30%)



30-tppv.010

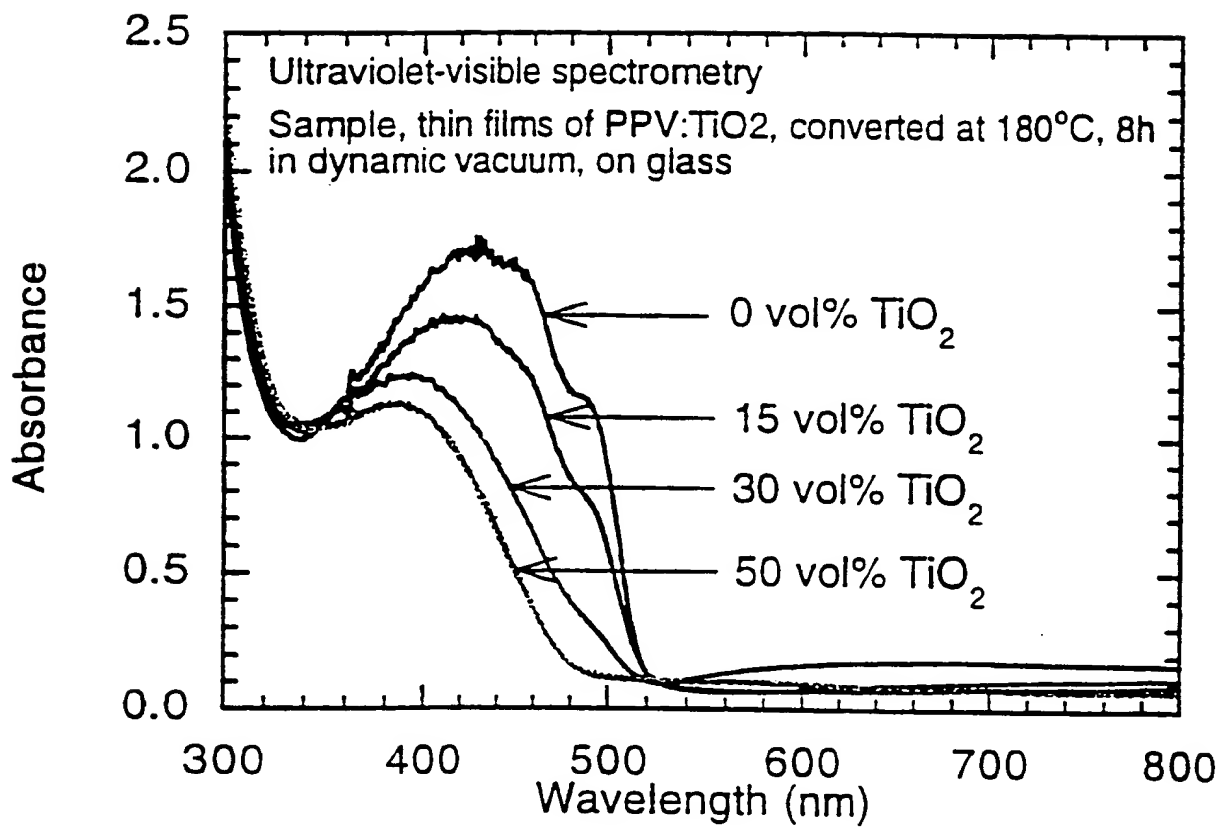


FIG.20